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DERWENT-WEEK: 200480

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TITLE: Hammer mechanism for grand piano, includes pair of magnets for reducing friction between repetition lever and hammer stem

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PRIORITY-DATA: 2003NL-1022822 (March 3, 2003)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
NL 1022822 C6	September 6, 2004	N/A	015	G10C 003/22

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
NL 1022822C6	N/A	2003NL-1022822	March 3, 2003

INT-CL (IPC): G10C003/22

ABSTRACTED-PUB-NO: NL 1022822C

BASIC-ABSTRACT:

NOVELTY - A first transmission system (10, 11, 13) between the key and second transmission system (1, 16, 17) includes a first permanent magnet (31). The second transmission system between the first transmission system and the string associated with the key includes a second permanent magnet (30). The two magnets are positioned so that they reduce friction between the repetition lever (13) in the first transmission system and the hammer stem (16) in the second transmission system.

USE - For making a hammerhead strike a string when the corresponding grand piano key is struck.

ADVANTAGE - Friction in the transmission mechanism between the key and hammerhead is reduced.

DESCRIPTION OF DRAWING(S) - Figure 3A shows the mechanism with the key in the resting position.

Hammer shaft cap 1

Lower hammer 10

L-shaped stop 11

Repetition lever 13

Hammer stem 16

Knuckle 17

**Magnets** 30, 31

CHOSEN-DRAWING: Dwg.3A/8

TITLE-TERMS: HAMMER MECHANISM GRAND **PIANO** PAIR **MAGNET** REDUCE FRICTION REPEAT  
LEVER HAMMER STEM

DERWENT-CLASS: P86

SECONDARY-ACC-NO:

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